

## CLAIMS

1. A traveling mower comprising: a traveling body provided with a mowing mechanism; a grass collection box for storing  
5 grass mowed by the mowing mechanism, the grass collection box being pivotally connected to the traveling body so that it is switchable between a grass collection posture for receiving grass and a discharge posture for discharging grass; a manual operation member arranged at the traveling body for switching  
10 the postures of the grass collection box; and an interlock mechanism for associating the grass collection box and the manual operation member with each other;

wherein the interlock mechanism includes a switching mechanism for increasing a turning angle of the grass  
15 collection box per unit quantity of operation of the manual operation member when the grass collection box is empty or substantially empty and for reducing the turning angle when the grass collection box contains much grass.

20 2. The traveling mower according to claim 1, wherein the interlock mechanism includes an arm link for turning the grass collection box; and

wherein a point at which operation force of the manual operation member is applied relative to the arm link is moved  
25 by the switching mechanism toward a rotation center of the arm link when the grass collection box is empty or substantially empty and moved away from the rotation center of the arm link

when the grass collection box contains much grass.

3. The traveling mower according to claim 1, wherein the grass collection box comprises a support frame providing a framework  
5 of the grass collection box, a support plate defining a bottom surface of the grass collection box, and a bag made of a net or cloth and covering the support frame and the support plate;

wherein an end of the support plate which is closer to an opening of the grass collection box is pivotably connected  
10 to the support frame, whereas another end of the support plate is connected to the support frame via a buffer which resists against the pivotal movement of the support plate.

4. The traveling mower according to claim 3, wherein the buffer  
15 comprises a spring having elasticity.